

ABSTRACT OF THE DISCLOSURE

A system and method of augmenting existing and operational base stations to include multiple diversity schemes and to render passive antenna elements active is presented herein.

- 5 The passive antenna array of the existing base station is replaced with an active antenna array, consisting of an active radiator unit that includes an array of both receive and transmit antenna elements. The transmit and receive antenna elements of the active radiator unit, respectively, are connected to transmit amplifiers and bandpass filters located at a masthead or at the top of the building.

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